# Synthesis Scheme of Substituted Three-Unit Wire

$$AlCl_{3}/CH_{3}CCl_{2}Cl_{3}Cl_{4}$$

$$AlCl_{3}/CH_{3}CCl_{7}CH_{3}Cl_{4}$$

$$COCH_{3}$$

$$P_{1}$$

$$IDA/TMSCl$$

$$IDA/TMSCl$$

$$Pd(PPh_{3})_{2}Cl_{2}/Cul/El_{2}NH$$

$$IDA/TMSCl$$

$$Pd(PPh_{3})_{2}Cl_{2}/Cul/El_{2}NH$$

$$IDA/TMSCl$$

$$Pd(PPh_{3})_{2}Cl_{2}/Cul/El_{2}NH$$

$$IDA/TMSCl$$

$$Pd(PPh_{3})_{2}Cl_{2}/Cul/El_{2}NH$$

$$IDA/TMSCl$$

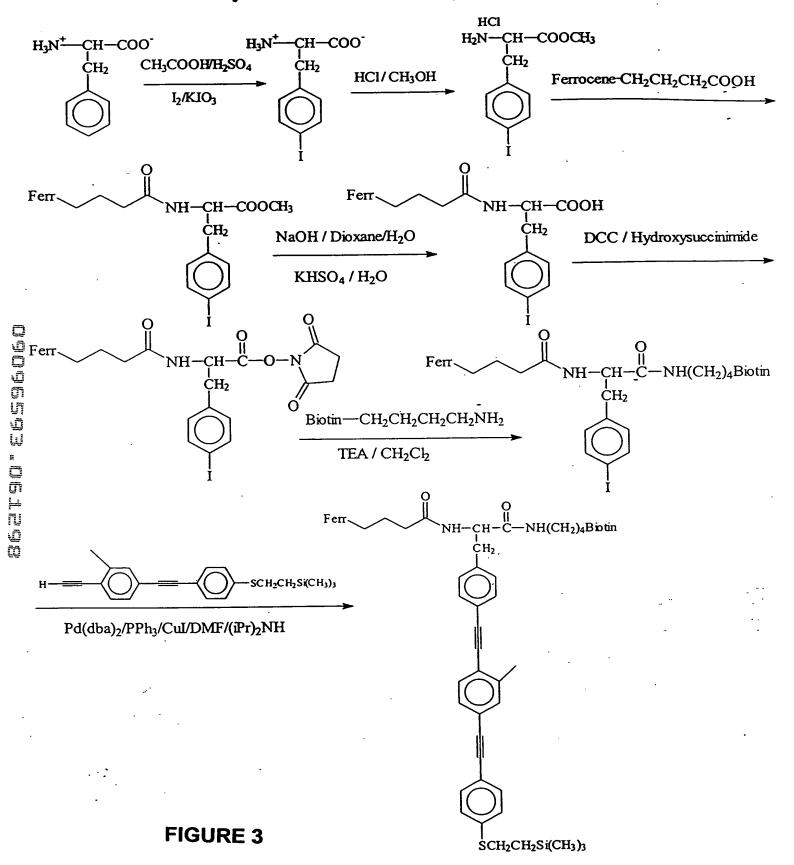
$$IDA$$

FIGURE 1

### Synthesis Scheme of Attaching the Metal C mplex to Antibody

FIGURE 2

### Synthetic Scheme of TDM System



## FIGURE 4

# Scheme of Therapeutic Drugs or Illegal Drugs Detections

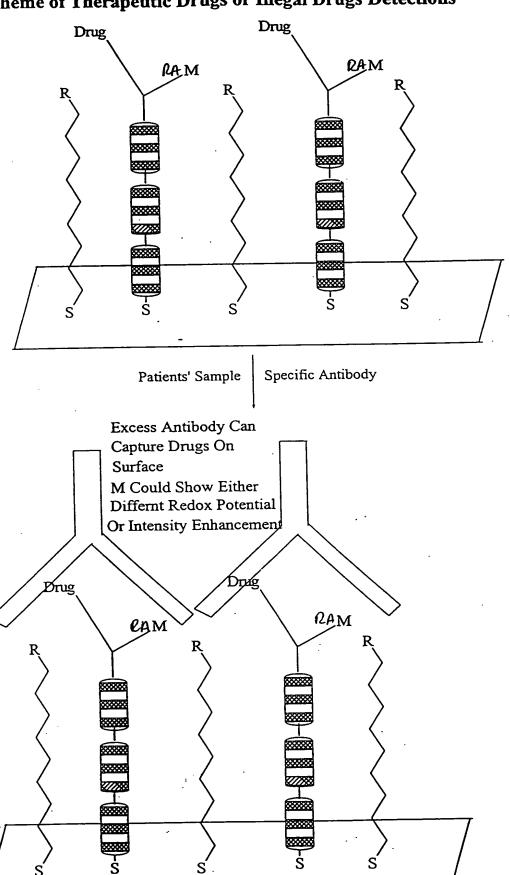


FIGURE 5

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# **FIGURE 6A**

### FIGURE 6B

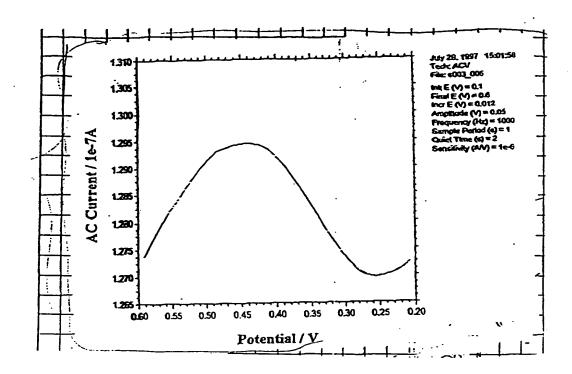
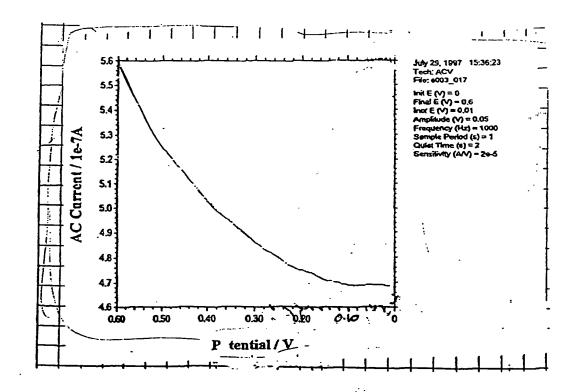
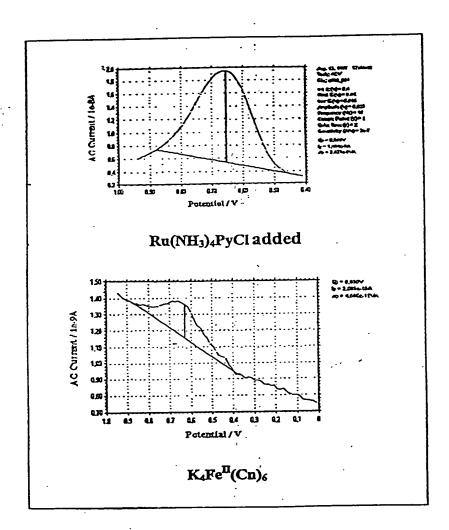


FIGURE 6C



# **FIGURE 6D**



**FIGURE 6E**